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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/086,082

DATE: 09/09/2002
TIME: 15:38:19

Input Set : N:\Crf3\RULE60\10086082.raw
Output Set: N:\CRF3\09092002\J086082.raw

ENTERED

<110> APPLICANT: Brieden, Walter
Naughton, Andrew
Robins, Karen
Shaw, Nicholas
Tinschert, Andreas
Zimmermann, Thomas
<120> TITLE OF INVENTION: METHOD OF PREPARING (S)-OR (R)
-3,3,3-TRIFLUORO-2-HYDROXY-2-METHYLPROPIONIC ACID
<130> FILE REFERENCE: 32213
<140> CURRENT APPLICATION NUMBER: 10/086,082
<141> CURRENT FILING DATE: 2002-02-28
<150> PRIOR APPLICATION NUMBER: US/09/214,679
<151> PRIOR FILING DATE: 1999-12-30
<160> NUMBER OF SEQ ID NOS: 14
<170> SOFTWARE: FastSEQ for Windows Version 3.0
<210> SEQ ID NO: 1
<211> LENGTH: 1442
<212> TYPE: DNA
<213> ORGANISM: Klebsiella oxytoca
<400> SEQUENCE: 1

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agctctctga tgatctttta atgcgtcgtc atctggctct gtaactaaac gctataaatt 180
acgtggagaa taacatatga aatggttgga agaatccatt atggccaaac gcggtgttgg 240
tgccgggcgt aaaccggtaa cgcatcacct gacggaagaa atgcaaaaag agtttcatta 300
caccattggc ccttattcca cacccgtcct gaccatcgaa cccggtgacc ggattattgt 360
cgacactcga gatgcttttg aaggtgctat caattcggaa caggatattc cgagccagtt 420
gctaaaaatg ccctttctca acccacaaaa cggaccgatc atggtcaatg gcgcggagaa 480
aggtgatgtg ctcgctgtct atatcgaatc catgttgccc cgcggcgttg atccctacgg 540
catctgcgcc atgattccgc attttggcgg actgaccggg accgacctga cggccatgct 600
caatgatccg ctgccagaaa aggtgcgcat gattaaactc gacagtgaaa aggtctactg 660
gagcaaacgc catacgcttc cctataaacc ccatattggc accttgagcg tatcgccaga 720
aattgactca atcaattcac tgacgccaga caatcacggc gggaatatgg atgtgccgga 780
tataggacca gggagtatta cctatctgcc ggtacgtgcg cctggaggcc gcctgtttat 840
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ctcaatcacc accatcaaag tcgatttgat caagaactgg cagctttcct ggccacgaat 960
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aattgcatat cgcgacttaa tttactggct ggtagaagac tttggcttcg aacaatggga 1080
tgcctacatg cttctgagtc aatgcggcaa agtgcggctg ggcaacatgg tcgaccccaa 1140
atacaccgtt ggcgcgatgc tgaacaaaaa cctgttagtt tagtaggaat aactaaccgg 1200
tgaacattac ccggatgtag atcggggtaa tgtgtaagtt caaacaatcg ctatttttaa 1260
cagctaaagc aggtgcatat ggggccagat acacccatca atattggttt actttactcc 1320
ttcagcggag tgacggcggc acaagagttg tcacaatggc gcggagcaac ccaggctatt 1380

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gccgaaatta atcaaaatgg cggcatcaac ggcagaccac tcaatgcaat tcatttggat 1440
cc 1442

<210> SEQ ID NO: 2
<211> LENGTH: 328
<212> TYPE: PRT
<213> ORGANISM: Klebsiella oxytoca
<400> SEQUENCE: 2

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 1               5                  10                  15
Gly Arg Lys Pro Val Thr His His Leu Thr Glu Glu Met Gln Lys Glu
            20                  25                  30
Phe His Tyr Thr Ile Gly Pro Tyr Ser Thr Pro Val Leu Thr Ile Glu
        35                  40                  45
Pro Gly Asp Arg Ile Ile Val Asp Thr Arg Asp Ala Phe Glu Gly Ala
    50                  55                  60
Ile Asn Ser Glu Gln Asp Ile Pro Ser Gln Leu Leu Lys Met Pro Phe
65                  70                  75                  80
Leu Asn Pro Gln Asn Gly Pro Ile Met Val Asn Gly Ala Glu Lys Gly
                85                  90                  95
Asp Val Leu Ala Val Tyr Ile Glu Ser Met Leu Pro Arg Gly Val Asp
            100                 105                 110
Pro Tyr Gly Ile Cys Ala Met Ile Pro His Phe Gly Gly Leu Thr Gly
        115                 120                 125
Thr Asp Leu Thr Ala Met Leu Asn Asp Pro Leu Pro Glu Lys Val Arg
    130                 135                 140
Met Ile Lys Leu Asp Ser Glu Lys Val Tyr Trp Ser Lys Arg His Thr
145                 150                 155                 160
Leu Pro Tyr Lys Pro His Ile Gly Thr Leu Ser Val Ser Pro Glu Ile
                165                 170                 175
Asp Ser Ile Asn Ser Leu Thr Pro Asp Asn His Gly Gly Asn Met Asp
            180                 185                 190
Val Pro Asp Ile Gly Pro Gly Ser Ile Thr Tyr Pro Leu Val Arg Ala
        195                 200                 205
Pro Gly Gly Arg Leu Phe Ile Gly Asp Ala His Ala Cys Gln Gly Asp
    210                 215                 220
Gly Glu Ile Cys Gly Thr Ala Val Glu Phe Ala Ser Ile Thr Thr Ile
225                 230                 235                 240
Lys Val Asp Leu Ile Lys Asn Trp Gln Leu Ser Trp Pro Arg Met Glu
                245                 250                 255
Asn Ala Glu Asn Ile Met Ser Ile Gly Ser Ala Arg Pro Leu Glu Asp
            260                 265                 270
Ala Thr Arg Ile Ala Tyr Arg Asp Leu Ile Tyr Trp Leu Val Glu Asp
        275                 280                 285
Phe Gly Phe Glu Gln Trp Asp Ala Tyr Met Leu Leu Ser Gln Cys Gly
    290                 295                 300
Lys Val Arg Leu Gly Asn Met Val Asp Pro Lys Tyr Thr Val Gly Ala
305                 310                 315                 320
Met Leu Asn Lys Asn Leu Leu Val
                325
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Input Set : N:\Crf3\RULE60\10086082.raw
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99 <210> SEQ ID NO: 3
100 <211> LENGTH: 20
101 <212> TYPE: PRT
102 <213> ORGANISM: Klebsiella oxytoca
103 <400> SEQUENCE: 3
104 Met Lys Trp Leu Glu Glu Ser Ile Met Ala Lys Arg Gly Val Gly Ala
105 1 5 10 15
106 Ser Arg Lys Pro
107 20
109 <210> SEQ ID NO: 4
110 <211> LENGTH: 5
111 <212> TYPE: PRT
112 <213> ORGANISM: Klebsiella oxytoca
113 <400> SEQUENCE: 4
114 Val Tyr Trp Ser Lys
115 1 5
117 <210> SEQ ID NO: 5
118 <211> LENGTH: 13
119 <212> TYPE: PRT
120 <213> ORGANISM: Klebsiella oxytoca
121 <400> SEQUENCE: 5
122 Lys Pro Val Thr His His Leu Thr Glu Glu Met Gln Lys
123 1 5 10
125 <210> SEQ ID NO: 6
126 <211> LENGTH: 9
127 <212> TYPE: PRT
128 <213> ORGANISM: Klebsiella oxytoca
129 <400> SEQUENCE: 6
130 Tyr Thr Val Gly Ala Met Leu Asn Lys
131 1 5
133 <210> SEQ ID NO: 7
134 <211> LENGTH: 14
135 <212> TYPE: PRT
136 <213> ORGANISM: Klebsiella oxytoca
137 <400> SEQUENCE: 7
138 Met Glu Asn Ala Glu Asn Ile Met Ser Ile Gly Ser Ala Arg
139 1 5 10
141 <210> SEQ ID NO: 8
142 <211> LENGTH: 9
143 <212> TYPE: PRT
144 <213> ORGANISM: Klebsiella oxytoca
145 <400> SEQUENCE: 8
146 Trp Leu Glu Glu Ser Ile Met Ala Lys
147 1 5
149 <210> SEQ ID NO: 9
150 <211> LENGTH: 18
151 <212> TYPE: PRT
152 <213> ORGANISM: Klebsiella oxytoca
153 <400> SEQUENCE: 9

RAW SEQUENCE LISTING DATE: 09/09/2002
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Input Set : N:\Crf3\RULE60\10086082.raw
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```
154        Met Pro Phe Leu Asn Pro Gln Asn Gly Pro Ile Met Val Asn Gly Ala
155         1               5                  10                  15
156        Glu Lys
158 <210> SEQ ID NO: 10
159 <211> LENGTH: 19
160 <212> TYPE: PRT
161 <213> ORGANISM: Klebsiella oxytoca
162 <400> SEQUENCE: 10
163        Asp Ala Phe Glu Gly Ala Ile Asn Ser Glu Gln Asp Ile Pro Ser Gln
164         1               5                  10                  15
165        Leu Leu Lys
167 <210> SEQ ID NO: 11
168 <211> LENGTH: 21
169 <212> TYPE: PRT
170 <213> ORGANISM: Klebsiella oxytoca
171 <400> SEQUENCE: 11
172        Glu Phe His Tyr Thr Ile Gly Pro Tyr Ser Thr Pro Val Leu Thr Ile
173         1               5                  10                  15
174        Glu Pro Gly Asp Arg
175                    20
177 <210> SEQ ID NO: 12
178 <211> LENGTH: 23
179 <212> TYPE: PRT
180 <213> ORGANISM: Klebsiella oxytoca
181 <400> SEQUENCE: 12
182        Leu Phe Ile Gly Asp Ala His Ala Glu Gln Gly Asp Gly Glu Ile Glu
183         1               5                  10                  15
184        Gly Thr Ala Val Glu Phe Ala
185                    20
187 <210> SEQ ID NO: 13
188 <211> LENGTH: 14
189 <212> TYPE: PRT
190 <213> ORGANISM: Klebsiella oxytoca
191 <400> SEQUENCE: 13
192        Gly Asp Val Leu Ala Val Tyr Ile Glu Ser Met Leu Pro Arg
193         1               5                  10
195 <210> SEQ ID NO: 14
196 <211> LENGTH: 33
197 <212> TYPE: PRT
198 <213> ORGANISM: Klebsiella oxytoca
199 <400> SEQUENCE: 14
200        Gly Val Asp Pro Tyr Gly Ile Glu Ala Met Ile Pro His Phe Gly Gly
201         1               5                  10                  15
202        Leu Thr Gly Thr Asp Leu Thr Ala Met Leu Asn Asp Gln Leu Gln Pro
203                    20                  25                  30
204        Lys
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VERIFICATION SUMMARY DATE: 09/09/2002
PATENT APPLICATION: US/10/086,082 TIME: 15:38:20

Input Set : N:\Crf3\RULE60\10086082.raw
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